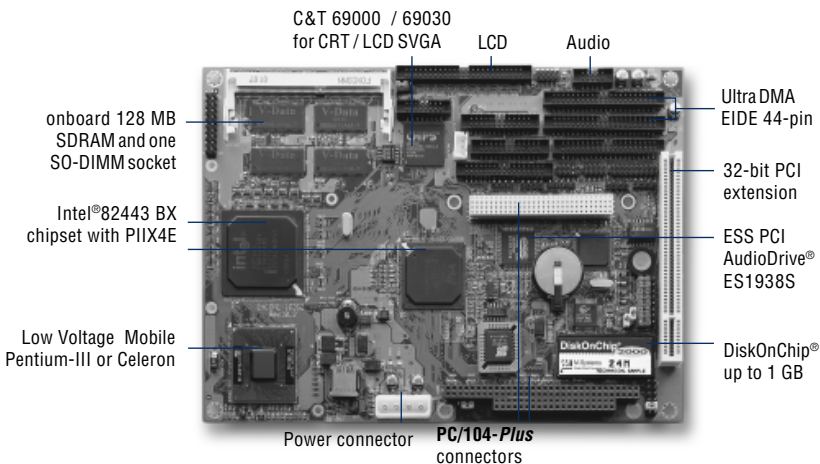


EmCORE-i6352

5.25" Mobile Pentium III Miniboard with Flat Panel / CRT, Audio, LAN



Features

CE FCC

- ★ Fanless Intel Mobile Pentium III or Intel Mobile Celeron in the range of 400 ~ 700 MHz
- ★ up to 384 MB SDRAM : 128 MB soldered onboard and optional 256 MB in SODIMM socket
- ★ 36-bit Flat Panel or CRT, C&T69000 or C&T69030
- ★ LAN 10/100 Mbps, Intel 82559
- ★ PC/104-Plus connector

Specifications

System

- **CPU:** Fanless Intel Mobile Pentium III or Celeron up to 700 MHz
EmCORE-i6352/AP5: Intel Mobile Pentium III, FSB 100 MHz and 256 KB L2 cache
EmCORE-i6352/AC4: Intel Mobile Celeron 400 MHz, FSB 400 MHz and 128 KB L2 cache
OEM Request: Intel Mobile Pentium®III, 700 MHz with 100 MHz FSB and 256 KB L2 cache
- **System Memory:** 128 MB SDRAM soldered onboard and 1SODIMM socket for up to 256 MB of additional SDRAM
- **2nd Cache Memory:** CPU integrated
- **Chipset:** Intel 82443 BX chipset with PIIX4E
- **Enhanced IDE:** 2 EIDE ports for up to 4 UltraDMA-33 ATAPI devices
- **BIOS :** Award Flash BIOS Green&Soft Off function, LS120, Multiple boot function
- **Watchdog Timer:** 128-level timer generates RESET or NMI
- **Expansion Interface:** PC/104-Plus and standard 32-bit PCI-slot

Multiple I/O

- **Serial:** 3 high speed RS-232C ports (COM1, 3, 4) one jumper selectable RS-232C/422/485 (COM2), all provide jumper selectable +5V/+12V DC power
- **Parallel:** 2 parallel ports with SPP, EPP and ECP mode
- **Floppy:** 1 port and up to 2 floppy disk drives
- **IrDA:** Onboard IrDA TX/RX port
- **USB:** 2 x USB v1.0 ports
- **K/B & Mouse:** PS/2 Keyboard and Mouse ports onboard AT Keyboard port
- **GPIO:** 16-bit GPIO

LAN

- **Chipset:** Intel 82559, 10/100 Mbps, Wake-on-LAN supported
- **Connector:** 10-pin onboard header

Audio

- **Chipset:** ESS PCI AudioDrive®ES1938S

Display

- **Chipset:** C&T 69000, AGP interface and 64-bit engine
- **Display Memory:** 2 MB on dye SDRAM
- **Display Type:** Flat Panel and CRT displays
- **Resolution:** Up to 800x600 @ 24bpp and 1024x768 @ 16bpp
- **LCD Interface:** TTL 36-bit
- **Optional:** C&T 69030 with 4 MB on dye SDRAM

Flash Disk

- **DiskOnChip2000 socket:** 16 MB ~ 1 GB Flash Disks

Mechanical and Environment

- **Power Requirement:** +5 V @ 3.0 A (typical), ±12 V; (with Mobile Pentium III 500 MHz and 128 MB SDRAM)
- **Operating Temperature:** 0 ~ 60°C (32 ~ 140°F)
- **Relative Humidity:** Up to 90% @ 55°C
- **Dimension (L x W):** 203 x 146 mm (8" x 5.75")
- **Weight:** 0.23 Kg (0.51 lb)

Ordering Information

EmCORE-i6352/AP5

5.25" Mobile Pentium-III 500 MHz miniboard with 128 MB SDRAM soldered onboard, C&T69000 LCD / CRT SVGA, LAN and Audio

EmCORE-i6353/AP5

Same as above with C&T 69030

EmCORE-i6352/AC4

5.25" Mobile Celeron 400 MHz miniboard with 128 MB SDRAM soldered onboard, C&T69000 LCD / CRT SVGA, LAN and Audio

Cable Kit for EmCORE-i6352/6353

6910963520000

Pentium III 700 MHz is available for OEM project